



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1187088
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

| | | |
|-----------------------------------|-----------------|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |
|-----------------------------------|-----------------|---|

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1187088

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

| | | | | |
|---|--|------------------------------|----------------------------------|---------------------------------|
| Drill Stem Tests Taken <i>(Attach Additional Sheets)</i> | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input type="checkbox"/> Yes <input type="checkbox"/> No | Name | Top | Datum |
| Cores Taken | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Electric Log Run | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| List All E. Logs Run: | | | | |

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used | | | | | | | |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| ADDITIONAL CEMENTING / SQUEEZE RECORD | | | | |
|---|------------------|----------------|--------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate | | | | |
| <input type="checkbox"/> Protect Casing | | | | |
| <input type="checkbox"/> Plug Back TD | | | | |
| <input type="checkbox"/> Plug Off Zone | | | | |

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| | | | | | |

| | | |
|--|---|---|
| DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ | PRODUCTION INTERVAL: _____ _____ |
|--|---|---|

| | |
|-----------|--------------------------|
| Form | ACO1 - Well Completion |
| Operator | Mai Oil Operations, Inc. |
| Well Name | KLC 1 |
| Doc ID | 1187088 |

Tops

| Name | Top | Datum |
|------------------|------|-------|
| Anhydrite | 864 | +984 |
| Tarkio Lime | 2454 | -606 |
| Topeka | 2719 | -871 |
| Heebner | 2948 | -1100 |
| Toronto | 2970 | -1122 |
| Lansing | 3006 | -1158 |
| Base Kansas City | 3261 | -1413 |
| Arbuckle | 3285 | -1437 |

JAMES C. MUSGROVE

Petroleum Geologist
212 Main Street
P.O. Box 215
Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

Mai Oil Operations
KLC #1
NE-NW-SW-SE (1250' FSL & 2250' FSL)
Section 23-13s-14w
Russell County, Kansas
Page 1

Dry and Abandoned

Contractor: Southwind Drilling Co. (Rig #3)
Commenced: December 6, 2013
Completed: December 12, 2013
Elevation: 1848' K.B; 1846' D.F; 1840' G.L.
Casing program: Surface; 8 5/8" @ 420'
Production; none.
Sample: Samples saved and examined 2300' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2300 ft to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Formation Tests: There were three (3) Drill Stem Test ran by Trilobite Testing.
Electric Log: None.

| <u>Formation</u> | <u>Sample Depth</u> | <u>Sub-Sea Datum</u> |
|-----------------------------|---------------------|----------------------|
| Anhydrite | 864 | +984 |
| Base Anhydrite | 898 | +950 |
| Grand Haven | 2380 | -532 |
| 1 st Tarkio Sand | 2394 | -546 |
| Dover | 2404 | -556 |
| 2 nd Tarkio Sand | 2412 | -564 |
| Toronto | 2516 | -668 |
| Lansing | 2970 | -1122 |
| Base Kansas City | 3006 | -1158 |
| Conglomerate | 3261 | -1413 |
| Arbuckle | 3285 | -1437 |
| Rotary Total Depth | 3303 | -1455 |

(All top and zone determinations were made from a correlation of Drilling Time Log and Sample Analysis).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

1ST TARKIO SAND SECTION

2394-2400' Sand; white, clear, fine grained, friable, silty in part, no shows.

| | |
|------|-------|
| 898 | 950 |
| 2380 | -532 |
| 2394 | -546 |
| 2404 | -556 |
| 2412 | -564 |
| 2516 | -668 |
| 2970 | -1122 |
| 3006 | -1158 |
| 3261 | -1413 |
| 3285 | -1437 |
| 3303 | -1455 |

2ND TARKIO SAND SECTION

2412-2422' Sand; white/green, very fine grained, poorly developed, no shows.

TOPEKA SECTION

2900-2910' Limestone; tan, finely crystalline, chalky, poorly developed porosity, trace brown stain, trace of free oil and no odor in fresh samples.

TORONTO SECTION

2972-2980' Limestone; white, cream, finely crystalline, chalky in part, scattered pinpoint porosity, golden brown stain, no show of free oil and questionable odor in fresh samples.

LANSING SECTION

3008-3014' Limestone; white, finely crystalline, scattered pinpoint porosity, light brown stain, no show of free oil and faint odor in fresh samples.

3027-3032' Limestone; cream, white, oolitic, fair porosity, good stain and saturation, show of free oil and faint odor in fresh samples.

3050-3057' Limestone; gray, oomoldic, scattered oomoldic/vuggy type porosity, brown stain, show of free oil and odor in fresh samples.

Drill Stem Test #1 3017-3060'

Times: 30-30-45-60

Blow: Fair

**Recovery: 124' gas in pipe
 15' gassy oil
 57' muddy water with oil spots**

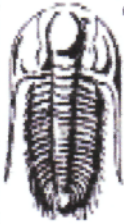
**Pressures: ISIP 508 psi
 FSIP 505 psi
 IFP 13-23 psi
 FFP 28-39 psi
 HSH 1551-1408 psi**

3080-3086' Limestone; gray, white, oolitic, chalky, poor brown stain, no show of free oil and no odor.

3093-3100' Limestone; white, chalky, poorly developed porosity, no shows.

3103-3118' Limestone; cream, white, tan, oomoldic, fair oomoldic porosity, chalky, no shows, plus white chert.

3148-3156' Limestone; white, gray, finely crystalline, chalky, dense, no show and questionable odor in fresh samples.



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations Inc
 8411 Preston Rd STE 800
 Dallas TX 75225
 ATTN: Jim MusGrove

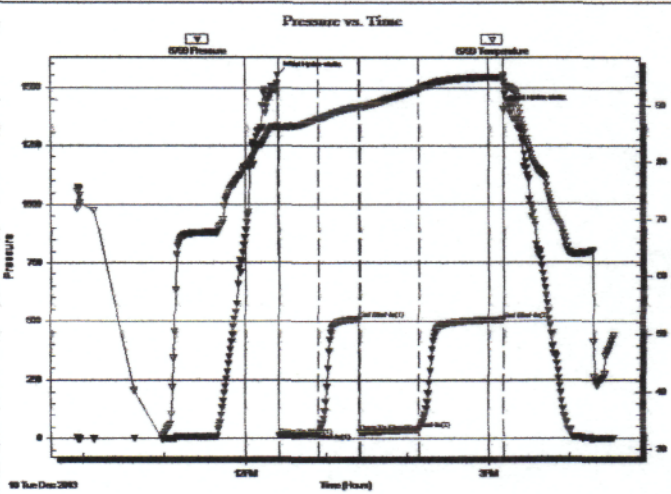
23-13s-14w Russell KS
KLC #1
 Job Ticket: 55365 **DST#: 1**
 Test Start: 2013.12.10 @ 09:56:00

GENERAL INFORMATION:

Formation: **LKC "A-B"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:25:15
 Time Test Ended: 16:33:00
 Interval: **3017.00 ft (KB) To 3060.00 ft (KB) (TVD)**
 Total Depth: 3060.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Cody Bloedorn
 Unit No: 73
 Reference Elevations: 1840.00 ft (KB)
 1832.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6799 Inside
 Press@RunDepth: 39.75 psig @ 3054.00 ft (KB)
 Start Date: 2013.12.10 End Date: 2013.12.10
 Start Time: 09:56:05 End Time: 16:32:59
 Capacity: 8000.00 psig
 Last Calib.: 2013.12.10
 Time On Btm: 2013.12.10 @ 12:24:45
 Time Off Btm: 2013.12.10 @ 15:11:15

TEST COMMENT: 30 - IF- 6" blow
 30 - IS- No return
 45 - FF- 5 1/2" blow
 60 - FS- No return



PRESSURE SUMMARY

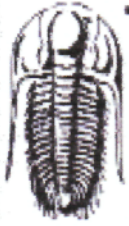
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1551.21 | 86.45 | Initial Hydro-static |
| 1 | 13.00 | 86.17 | Open To Flow (1) |
| 30 | 23.91 | 87.69 | Shut-In(1) |
| 60 | 508.91 | 89.94 | End Shut-In(1) |
| 61 | 28.98 | 89.86 | Open To Flow (2) |
| 104 | 39.75 | 93.05 | Shut-In(2) |
| 167 | 505.79 | 95.06 | End Shut-In(2) |
| 167 | 1408.40 | 95.37 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------------------|--------------|
| 57.00 | MW - show of oil, 20%M, 80%W | 0.80 |
| 15.00 | GO, 30%G, 70%O | 0.21 |
| 0.00 | 124' of G.I.P. | 0.00 |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations Inc
 8411 Preston Rd STE 800
 Dallas TX 75225
 ATTN: Jim MusGrove

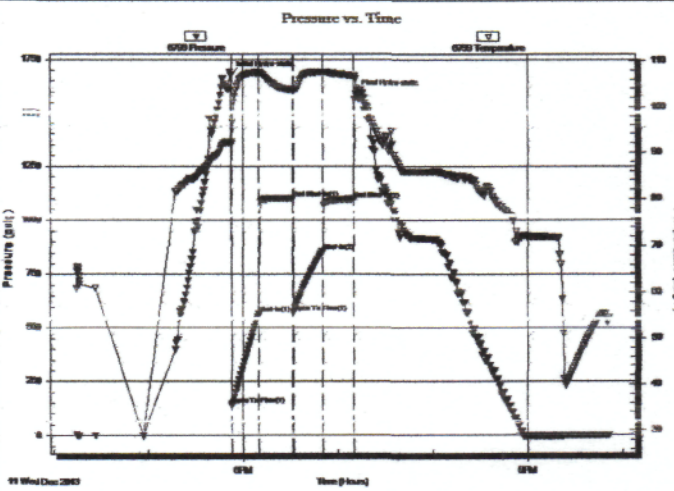
23-13s-14w Russell KS
KLC #1
 Job Ticket: 55366 DST#: 2
 Test Start: 2013.12.11 @ 16:15:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 17:52:45
 Time Test Ended: 21:51:30
 Interval: **3244.00 ft (KB) To 3303.00 ft (KB) (TVD)**
 Total Depth: 3303.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Cody Bloedorn**
 Unit No: **73**
 Reference Elevations: 1840.00 ft (KB)
 1832.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: **6799** Inside
 Press@RunDepth: 857.52 psig @ 3281.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.11 End Date: 2013.12.11 Last Calib.: 2013.12.11
 Start Time: 16:15:05 End Time: 21:51:29 Time On Btm: 2013.12.11 @ 17:52:30
 Time Off Btm: 2013.12.11 @ 19:11:15

TEST COMMENT: 20 - IF- B.O.B. in 30 seconds
 20 - IS! Surface return
 20 - FF- B.O.B. in 30 seconds
 20 - FS! No return



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1679.15 | 92.20 | Initial Hydro static |
| 1 | 141.14 | 91.80 | Open To Flow (1) |
| 18 | 565.49 | 107.25 | Shut-In(1) |
| 39 | 1099.95 | 103.57 | End Shut-In(1) |
| 40 | 570.54 | 103.39 | Open To Flow (2) |
| 58 | 857.52 | 107.51 | Shut-In(2) |
| 78 | 1096.59 | 106.65 | End Shut-In(2) |
| 79 | 1509.10 | 100.14 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 310.00 | WM, 10%W, 90%M | 4.35 |
| 1612.00 | MW, 20%M, 80%W | 22.61 |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 7030

| | | | | | | | | | | | | | | | |
|------|---------|------|----|------|----|-------|----|--------|---------|-------|----|-------------|--|--------|---------|
| Date | 12-7-13 | Sec. | 23 | Twp. | 13 | Range | 14 | County | Russell | State | KS | On Location | | Finish | 4:00 AM |
|------|---------|------|----|------|----|-------|----|--------|---------|-------|----|-------------|--|--------|---------|

Lease **KLC** Well No. **71** Location **N. of Glenwood Plant 1/2 mile E**

| | | | | | |
|---------------------|--------------------|------------|----------------------------|--|--|
| Lease | KLC | Well No. | 71 | Owner | To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. |
| Contractor | Southern 43 | Type Job | Surface | Charge To | Ma. Oil |
| Hole Size | 12 1/4 | T.D. | 476' | Street | |
| Csg. | 8 5/8 | Depth | 476 424' | City | |
| Tbg. Size | | Depth | | State | |
| Tool | | Depth | | The above was done to satisfaction and supervision of owner agent or contractor. | |
| Cement Left in Csg. | 30' | Shoe Joint | | Cement Amount Ordered | 250 60% 30% 20% 60 |
| Meas Line | | Displace | 29 1/2 | | |

EQUIPMENT

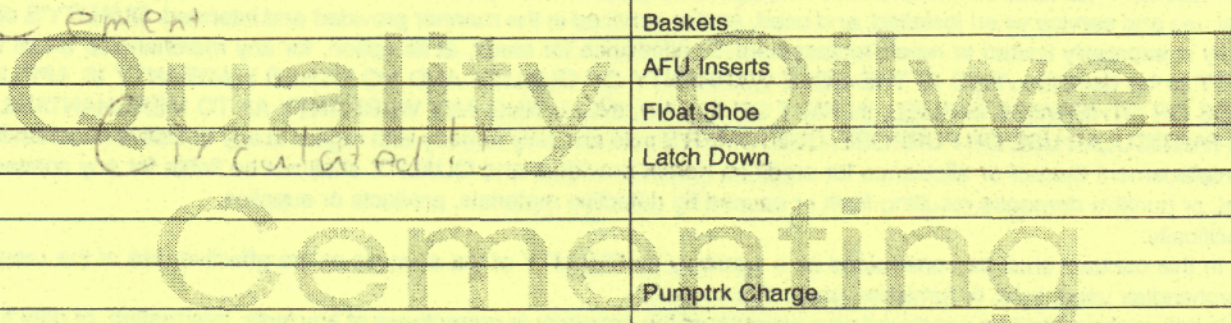
| | | | | |
|---------|---------------|----------|-------------|----------|
| Pumptrk | 15 No. | Cementer | | Common |
| | | Helper | Nick | |
| Bulktrk | 3 No. | Driver | Chad | Poz. Mix |
| | | Driver | | Gel. |
| Bulktrk | PU No. | Driver | Bres | Calcium |
| | | Driver | | |

JOB SERVICES & REMARKS

| | | |
|--------------------|--|-------------------------|
| Remarks: | | Hulls |
| Rat Hole | | Salt |
| Mouse Hole | | Flowseal |
| Centralizers | | Kol-Seal |
| Baskets | | Mud CLR 48 |
| D/V or Port Collar | | CFL-117 or CD110 CAF 38 |
| | | Sand |
| | | Handling |
| | | Mileage |

FLOAT EQUIPMENT

| | | |
|--|--|-------------|
| | | Guide Shoe |
| | | Centralizer |
| | | Baskets |
| | | AFU Inserts |
| | | Float Shoe |
| | | Latch Down |



| | | | |
|--|--|----------------|--------------|
| | | Pumptrk Charge | |
| | | Mileage | |
| | | | Tax |
| | | | Discount |
| | | | Total Charge |

X Signature *Joy Idwin*

ALLIED OIL & GAS SERVICES, LLC 054844

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell KS

| | | | | | | | |
|--------------------------------|-----------------|---|-----------------|------------|-----------------------|-----------------|------------|
| DATE <u>12-12-13</u> | SEC. <u>23</u> | TWP. <u>13</u> | RANGE <u>14</u> | CALLED OUT | ON LOCATION | JOB START | JOB FINISH |
| LEASE <u>KLC</u> | WELL # <u>1</u> | LOCATION <u>Russell KS 1/2 E 1/4 S E into</u> | | | COUNTY <u>Russell</u> | STATE <u>KS</u> | |
| OLD OR <u>NEW</u> (Circle one) | | | | | | | |

CONTRACTOR Southwind #3
 TYPE OF JOB PTA
 HOLE SIZE 7 7/8 T.D. 3303
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 16.6 DEPTH 3265
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

OWNER _____
 CEMENT AMOUNT ORDERED 215 60/40 49 gal 1 1/4 #10
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____

EQUIPMENT

PUMP TRUCK CEMENTER Robert Yakubovich
 # 409 HELPER Nathan Donner
 BULK TRUCK
 # 481 DRIVER Jesse Cozart
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

p1 50 stks @ 3265
p2 25 stks @ 880
p3 100 stks @ 500
p4 10 stks @ 40
30 stks in Rat hole

Thank you!!

CHARGE TO: Mai Oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL _____

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 MANIFOLD _____ @ _____
 _____ @ _____
 _____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

8 5/8 Wooden plug @ 64.80 64.80
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

TOTAL 64.80

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Jay Krieger
 SIGNATURE Jay Krieger

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS